

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

RECORD OF WELL

1. Location: State New York County Putnam
Nearest P. O. _____ Direction from P. O. _____
Distance from P. O. _____ miles; _____ $\frac{1}{4}$ sec. _____, T. _____, R. _____
If in city, give street and number Town of Patterson
(Board of Education - Carmel, Central School Dist. #2)
2. Owner: Patterson High School Address Patterson, N. Y.
Driller: P. F. Beal and Sons Address Crewster, N. Y.
Ed. Percival on Rig
3. Situation: Is well on upland, in valley, or on hillside? valley
4. Elevation of top of well: 445 ft. above the level of sea
(Above or below) (Sea, depot, lake, or stream)
5. Type of well: drilled; kind of drilling rig used core drill
(Dug, driven, bored, or drilled) (Solid tool, jetting, rotary, etc.)
6. Depth of well: 179 ft.; year in which well was finished 1919
Does well enter rock? yes; if so, at what depth? 15 ft.; kind of rock limestone
7. Diameter: At top 6 inches; at bottom 6 inches.
8. Principal water bed: limestone limerock Juni Dykeman
(Gravel, sand, clay, or rock. If rock, state kind)
Depth to principal water bed 175 ft.; thickness of bed _____ ft.
If other water supplies were found, give depth to each don't recall any noticeable ones
9. Casings: Kind steel; size 6; length 20 ft.; between depths of 0 and 20 ft.
Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.
Kind _____; size _____; length _____ ft.; between depths of _____ and _____ ft.
- Packers (if any): Depth at which packers were used none; kind _____
- Screen or Strainer: Was well finished with screen? no; kind of screen _____;
length of screen _____ ft.; diameter _____ inches; size of openings _____
10. Head: Does well at present overflow without pumping? no; did it overflow when new? no;
if flowing, give pressure _____ lb. per sq. inch; or height water will rise in a pipe _____ ft. above surface;
original pressure or head _____; if not flowing, give water level in well 7' 15" ft. below surface.
guess - Ed. Percival
11. Pump: Is the well pumped? yes; kind of pump SW pump - Juni Dykeman;
size or capacity of pump _____; kind of power electric
12. Yield: Natural flow at present (if any) _____ gallons per minute; original flow _____ gallons per minute;
well has been pumped at 18 gallons per minute continuously for _____ hours;
quantity of water ordinarily obtained from well 2,000 + gallons per day.
13. Use: For what purpose is the water used? 140 pupils & 10 adults. also cafeteria PWS
14. Quality of the water: Hard; is there an analysis? _____
(Hard or soft, fresh or salty, etc.) of Juni Dykeman on school board at time (7/23/54)
Temperature of water _____ °F.
15. Cost of well, not including pump: _____
Name of person filling blank J. Grossman from Beal's records & from
U.S.G.S. at Albany Mr. R. Darm at school.
- Date 5-23-50 Address _____

On the back of this sheet give the record of the bed through which the well passes and any other facts not given above.

LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET		THICKNESS, IN FEET	REMARKS (Especially information as to water found)
	From—	To—		
Soil & hardpan	0	15±	15±	
Limestone (white)	15±	179	164	
yellow gravel with dirt	0	—	—	
Limestone	—	74	<74	
80 gallon tank in basement.				
Permuted, from Beal Analysis	1-28-38	-	at pressure tank	
Total hardness	180	✓		
Alkalinity	216	✓		
CO ₂	13			
Cl	5	3.5 ✓		
SO ₃	15	17 ✓		
Fe	0.1	✓		
Turbidity	2	✓		
Color	5	✓		
PH	7.5	✓		
Total compensated hardness	11			
Also a drive point on property formerly. Drive point, which was later pulled, was at least 25 feet deep.				